

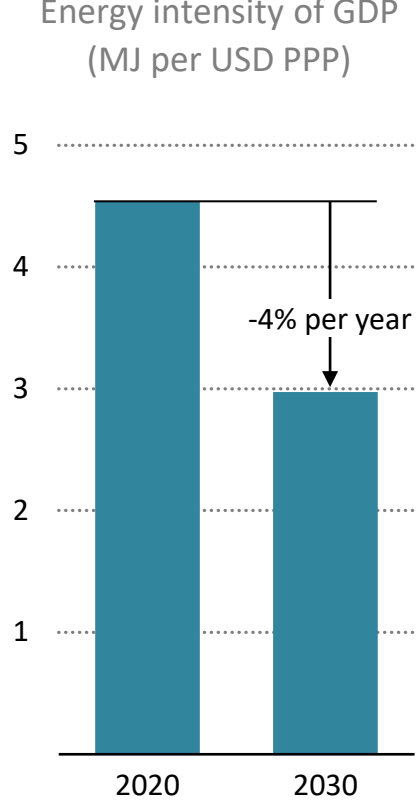
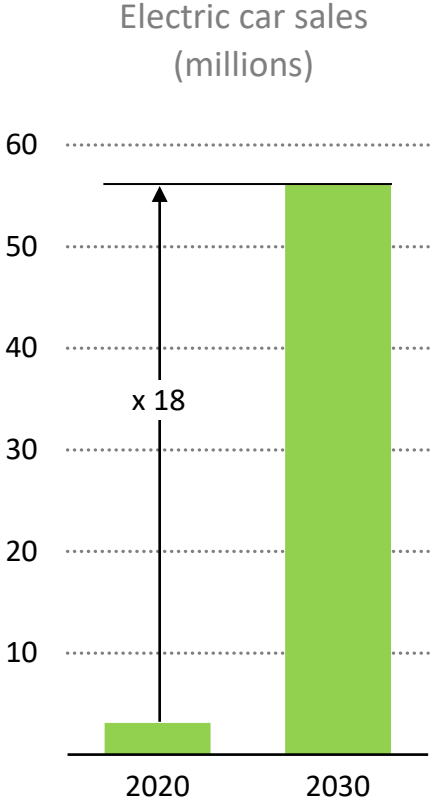
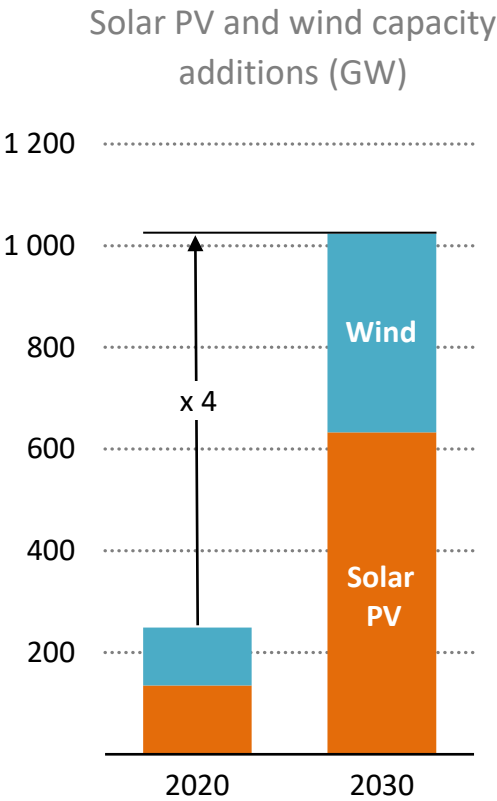


Global Energy System in the transition

Keisuke Sadamori, Director, Energy Markets and Security

GIE Annual Conference, 12 October 2021

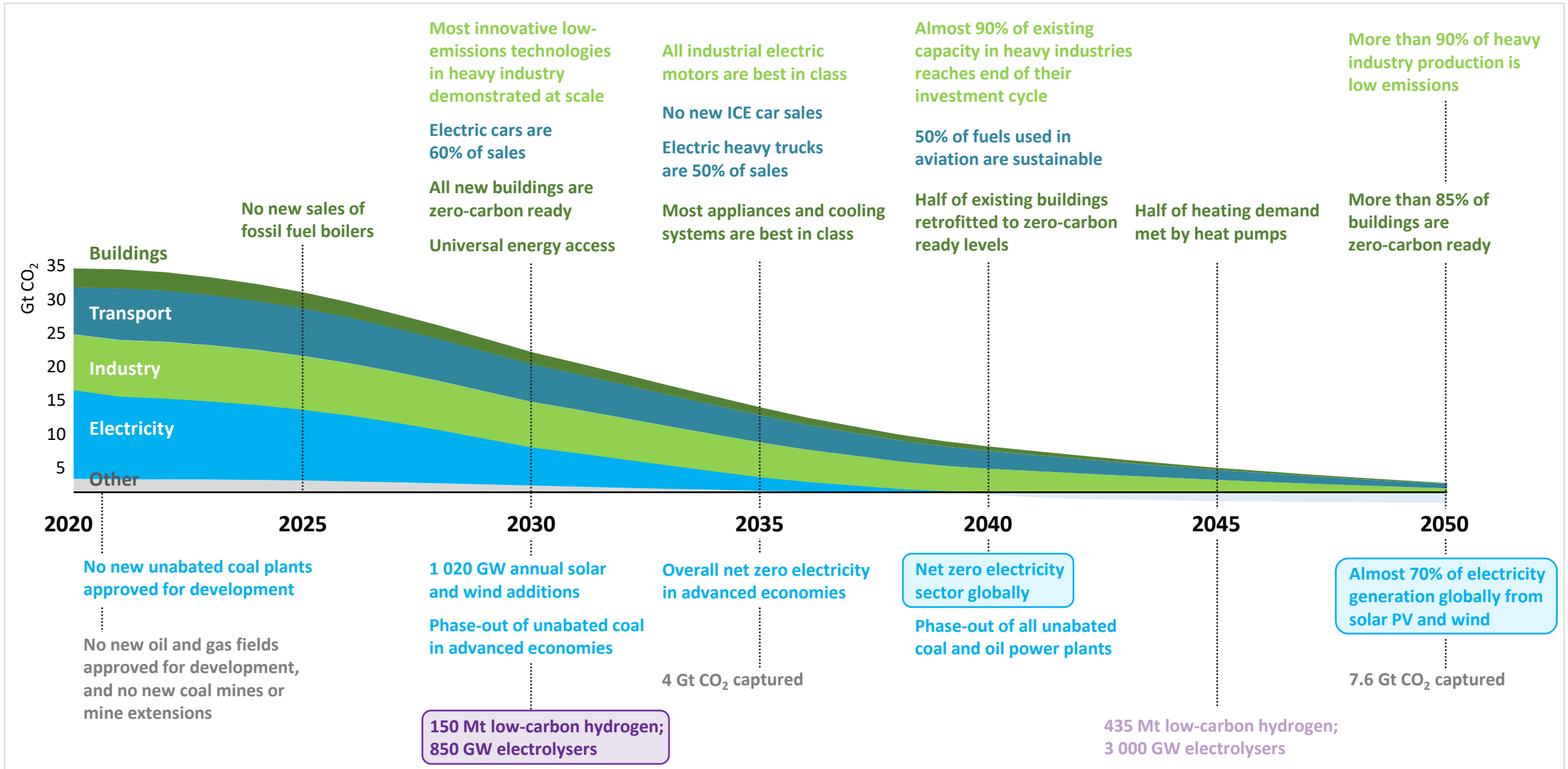
Make the 2020s the decade of massive clean energy expansion



Technologies for achieving the necessary deep cuts in global emissions by 2030 exist, but staying on the narrow path to net-zero requires their immediate and massive deployment.

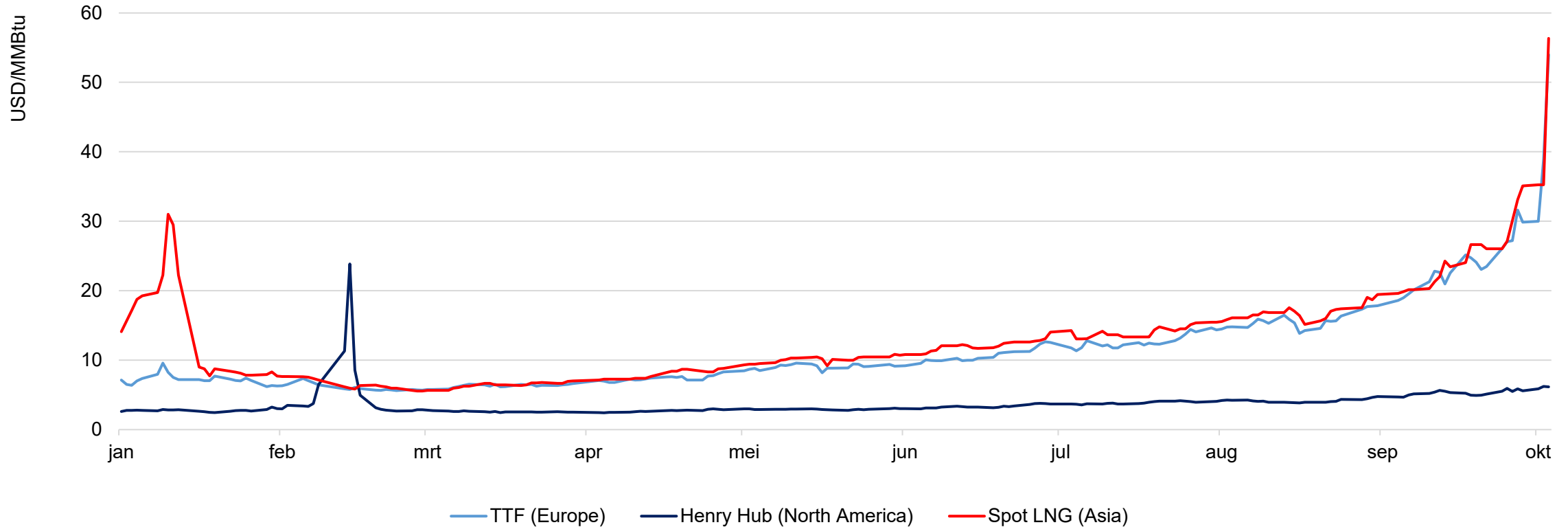


Set near-term milestones to get on track for long-term targets



Tighter fundamentals trigger global gas price escalation

Natural gas prices in 2021



Europe's TTF increased more than seven times since the beginning of 2021, while Asian spot LNG quadrupled and US Henry Hub more than doubled.



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